

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A file searching method of a data broadcasting system, the method comprising the steps of:

confirming whether or not a Download Server Initiate control message is updated, in response to a search request for a file object; and

searching for the file object from an updated root directory object, when the Download Server Initiate control message is confirmed to have been updated.

~~confirming whether or not a control message of Download Server Initiate is updated, in response to a search request for a file object; and~~

~~searching the search-requested file object from at a new root directory object, in case that the control message of Download Server Initiate is updated.~~

2. (Currently Amended) The file searching method according to claim 1, wherein ~~it is confirmed~~the step of confirming comprises:

confirming based on version information of the Download Server Initiate control message.

~~from version information whether or not the control message of Download Server Initiate is updated.~~

3. (Currently Amended) The file searching method according to claim 1, wherein the step of confirming comprises:

confirming that the Download Server Initiate control message is not updated by confirming an absolute path is not written, and a basic root directory object is designated, in the Download Server Initiate control message.

~~an absolute path is not written and a basic root directory object is designated in the non-updated control message of Download Server Initiate.~~

4. (Currently Amended) The file searching method according to claim 3, wherein the basic root directory object is a directory object located in a hierarchical architecture and used in an initial search for the file object.

~~wherein the basic root directory object is a directory object located most initially in a hierarchical architecture for searching a file object.~~

5. (Currently Amended) The file searching method according to claim 1, wherein the step of confirming comprises:

confirming that the Download Server Initiate control message is updated by confirming an absolute path is written, and the updated root directory object is designated, in the Download Server Initiate control message.

~~the absolute path is written and the new root directory object is designated in the updated control message of Download Server Initiate.~~

6. (Currently Amended) The file searching method according to claim 5, wherein the updated root directory object is a directory object of a hierarchical architecture corresponding to the absolute path.

~~wherein the new root directory object is a directory object of a next hierarchical architecture of the written absolute path.~~

7. (Currently Amended) The file searching method according to claim 5, wherein the ~~written absolute path is comprised of at least two paths of the directory objects~~comprises at least two directory object paths.

8. (Currently Amended) The file searching method according to claim 1, ~~wherein further~~comprising:

updating the Download Server Initiate control message when the file object is initially searched.

~~the control message of Download Server Initiate is updated in case that a certain file object is searched at least one time.~~

9. (Currently Amended) The file searching method according to claim 8, the step of updating the Download Server Initiate control message comprising:

identifying the absolute path and the updated root directory object when the file object is initially searched.

~~wherein the absolute path and the new root directory object are obtained from the step of searching the certain file object at least one time.~~

10. (Currently Amended) A file searching method of a data broadcasting system, the method comprising the steps of:

confirming whether or not an absolute path exists within a Download Server Initiate control message, in response to a search request for a file object; and

searching for the file object from an updated root directory object corresponding to the absolute path, when the absolute path is confirmed to exist.

~~confirming whether or not an absolute path exists in a control message of Download Server Initiate, in response to a search request for a file object; and~~

~~searching the search-requested file object from at a new directory object designated correspondingly to the absolute path, in case that the absolute path exists.~~

11. (Currently Amended) The file searching method according to claim 10, wherein the updated root directory object is a directory object of a hierarchical architecture corresponding to the absolute path.

~~the new root directory object is a directory object of a next hierarchical architecture of the existing absolute path.~~

12. (Currently Amended) The file searching method according to claim 10, wherein the absolute path comprises at least two directory object paths.

~~wherein the existing absolute path is comprised of at least two paths of the directory objects:~~

13. (Currently Amended) The file searching method according to claim 10, further comprising:

creating the absolute path when the file object is searched at least one time; and

writing the absolute path in the Download Server Initiate control message.

~~wherein the existing absolute path is created in case that a certain file object is searched at least one time, to be written in the control message of Download Server Initiate.~~

14. (New) The method according to claim 1, wherein the confirming step comprises:
confirming whether or not the Download Server Initiate control message is updated, in response to the search request for the file object.

15. (New) A file searching method of a data broadcasting system, the method comprising the steps of:

confirming whether or not information concerning a basic root directory object of a Download Server Initiate control message is updated, in response to a search request for a file object; and

searching for the file object from an updated root directory object, when the basic root directory object of the Download Server Initiate control message is confirmed to have been updated.

16. (New) The method according to claim 15, wherein the information concerning the basic root directory object comprises a "ServiceGatewayInfo()" field of Download Server Initiate control message.

17. (New) A file searching method of a data broadcasting system, the method comprising the steps of:

receiving a first search request for a file object;

searching for the file object from a basic root directory object of a first Download Server Initiate control message in response to the first search request;

updating the first Download Server Initiate control message by using at least one of an absolute path and an updated basic root directory object for the file object in response to said step of searching in response to the first search request;

receiving a second search request for the file object; and

searching for the file object by using the at least one of the absolute path and the updated basic root directory object, based on the updated Download Server Initiate control message.

18 (New) A file searching method of a data broadcasting system, the method comprising the steps of:

receiving a first search request for a file object;

searching for the file object from a basic root directory object of a first Download Server Initiate control message in response to the first search request;

updating the first Download Server Initiate control message to include an absolute path for the file object in response to said step of searching in response to the first search request;
receiving a second search request for the file object; and
searching for the file object from an updated root directory object of a next hierarchical architecture of the absolute path, based on the updated Download Server Initiate control message.

19. (New) The method according to claim 18, wherein, the searching step comprises:
skipping a directory object of a hierarchical architecture of the absolute path and directly accessing the hierarchical architecture of the next directory object of the absolute path when the directory object is written to the absolute path of the updated Download Server Initiate control message.

20. (New) The method according to claim 1, wherein the confirming step comprises:
confirming whether or not a "ServiceGatewayInfo()" field of the Download Server Initiate control message is updated, in response to the search request for the file object.